

				162		
Tag <u>164</u>	Operation 166A	Operation 166B	Operation <u>166C</u>	Operation <u>166D</u>	Flow Control 168	
	Operation 166E	Operation 166F	Operation <u>166G</u>	Operation <u>166H</u>		

FIG. 2A

Liveness	Encoding 266	
Unconditionally Live	11	
Subsequent to 1st Branch	10	
Subsequent to 2nd Branch	01	
Unconditionally Dead	00	

FIG. 2B

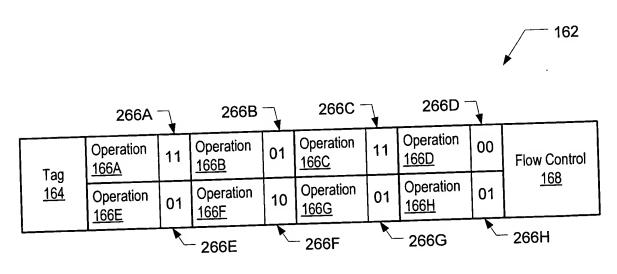


FIG. 2C

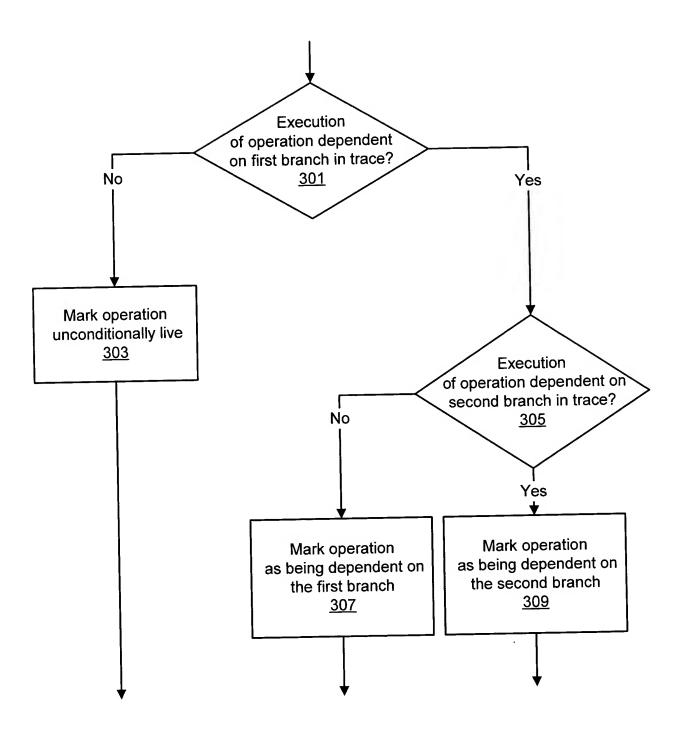


FIG. 3

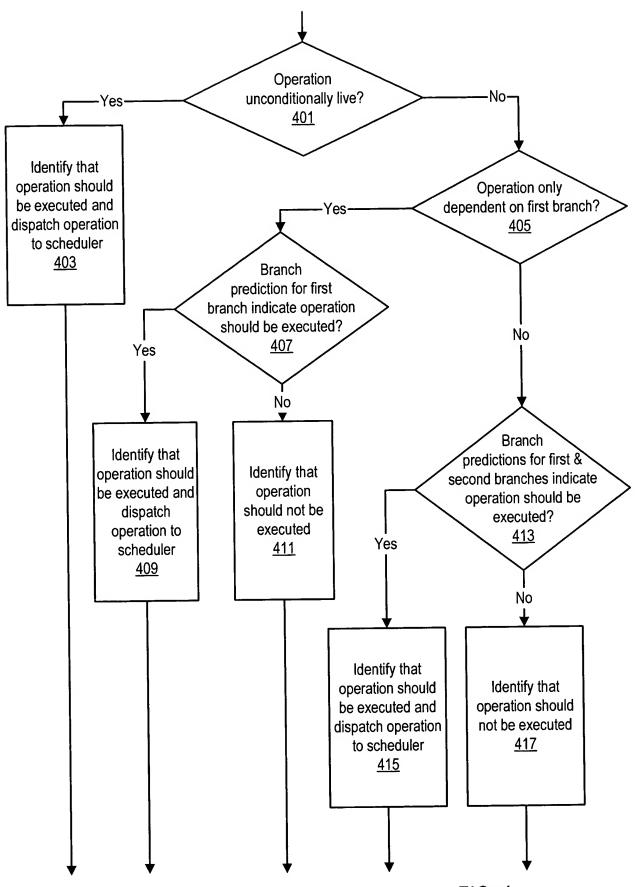
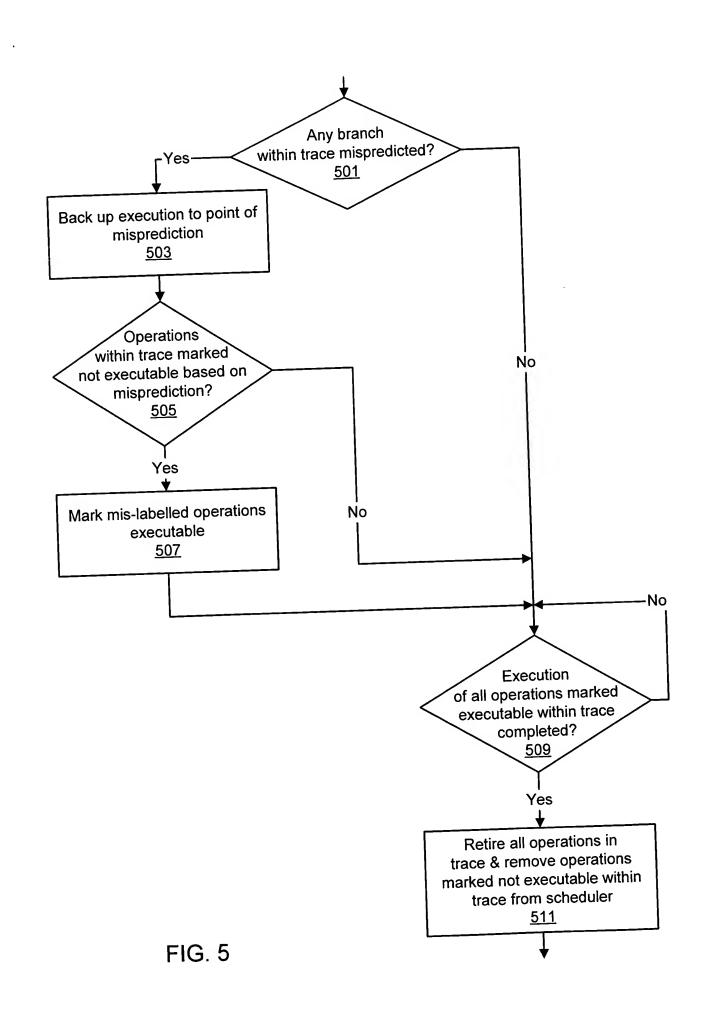
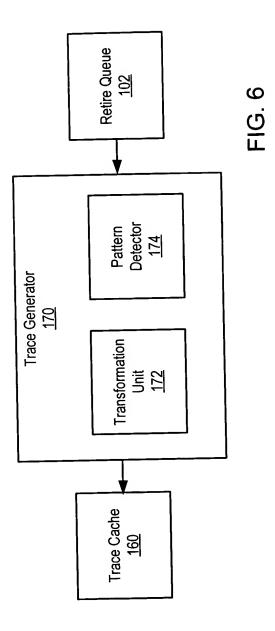


FIG. 4





Before Constant Propagation:

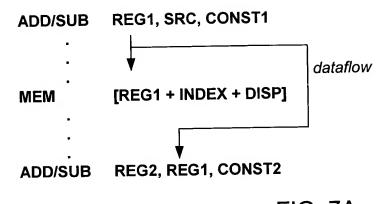
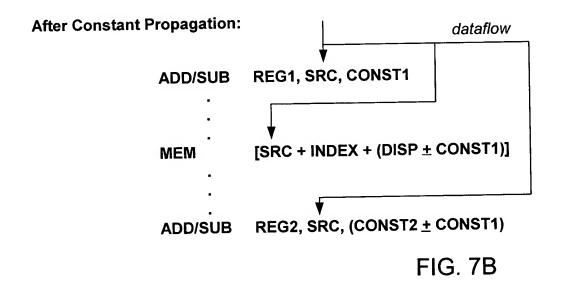


FIG. 7A



Before Mov Renaming:

After Move Renaming:

ADD EAX, ESI, 7

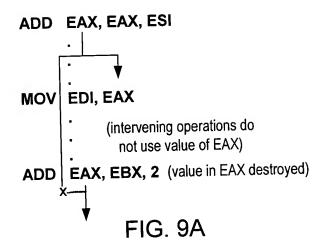
MOV EAX, ESI

.
.
ADD EAX, EAX, 7

FIG. 8A

FIG. 8B

Before Move Renaming:



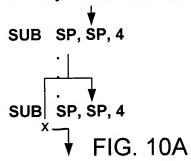
After Move Renaming:

ADD EDI, EAX, ESI

ADD EAX, EBX, 2

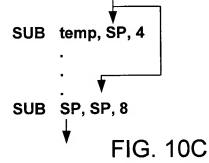
FIG. 9B

Before any transformations:



Slotification:

After Constant Propagation:



After Dead Operation Elimination:

FIG. 10D

Befor:

Op1 Sets condition code

- · (intervening instructions do
- not set condition code)

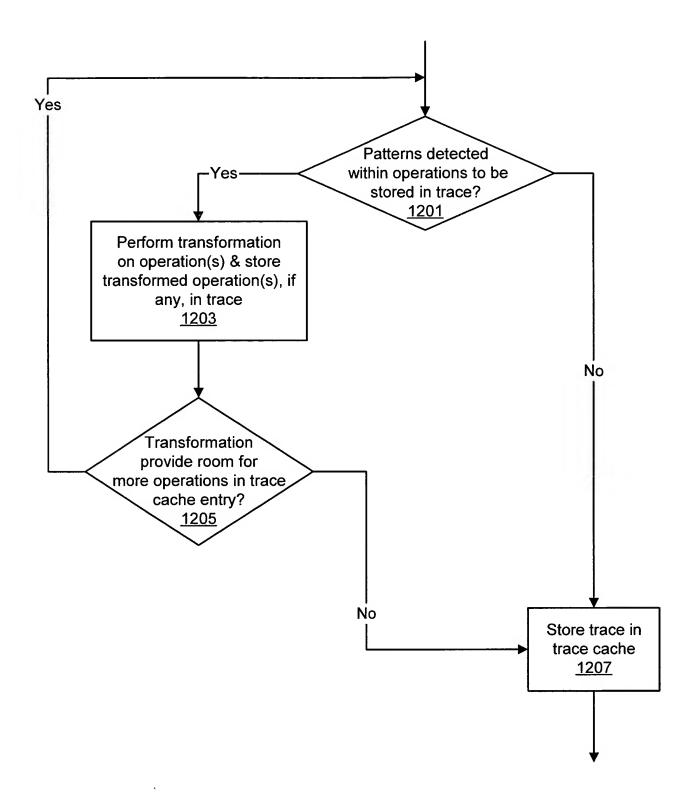
JNE Label

FIG. 11A

After Branch Folding:

Op1 Sets condition code; fail if NE

FIG. 11B



Instruction Stream:

Instruction1
Instruction2
Instruction3
Microcoded Instruction
Instruction4
Instruction5

FIG. 13A

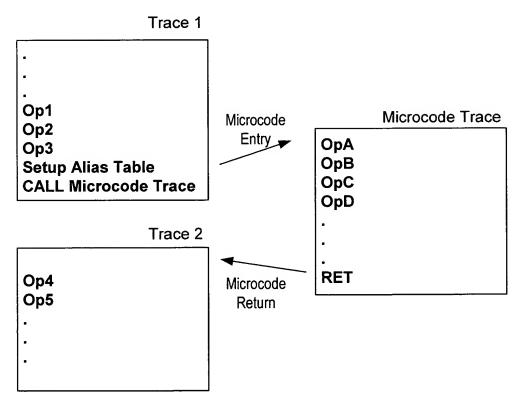


FIG. 13B

FIG. 13C

